

Natural Gas Production Trends in Bangladesh: A Study of the Possibility of a Natural Gas Energy Crisis in the Future.

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Abstract

Bangladesh has 29 natural gas production fields. The current number of gas fields in production is 20. From 2016 to 2017, gas production peaked in the energy sector. After that, gas production declined steadily. Energy demand is increasing day by day, causing a crisis in the future. Currently, LNG importation is more expensive which highlights the importance of new gas production fields in Bangladesh. This study analyses the recent gas production and future trends value that may cause a crisis in natural gas energy. Data was collected from Petrobangla and Energy Data Centre, Hydrocarbon Unit for this study. These finding indicates that gas production has decreased gradually, from 2016 to 2017. With rising demand and decreasing gas production, there is a risk of gas shortage in the future. A greater percentage of gas demand is fulfilled by The Titas and Bibiyana gas fields. Depending on a few production fields and the limited discovery of new fields, are the main reasons for increasing the crisis. LNG import is costly, therefore discovering a new gas production field is more important for increasing natural gas production. This Study provides a clear overview of gas production and gas production trends for the future in Bangladesh. The findings of this study will make a significant contribution to the gas production fields and energy planning strategies in Bangladesh. There is a need to increase gas production fields, reduce LNG importation, and focus on renewable energy. According to this LNG importation will be declining and increasing domestic production.

Keywords

production, crisis, LNG, trends, Bangladesh.